

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices to ensure that the design, repair, and alteration of LANL facilities, and the programmatic equipment within them. [[IMP 342](#)]

Topics this month:

- **Standards Courses This Week and Beyond**
- **Whole Building Design Guide available Online**
- **Building, Mechanical, And Plumbing Code Classes**
- **LANL Standards Issued in April**
- **DOE Standard Actions**

The Standards Homepage: <http://engstandards.lanl.gov/>

STANDARDS COURSES THIS WEEK AND BEYOND

Join the hundreds of LANL and contractor personnel who understand standards, specs, and drafting.

Introduction to LANL Engineering Standards Course 24140, taught this Thurs, May 4 from 8am - noon by Tobin Oruch

Provides familiarity with national and LANL engineering standards for anyone performing, reviewing, or managing design activities.

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=24140

LANL Drafting Standards Manual for Engineers and Managers Course 38726, taught this Thurs, May 4 from 1-4 pm by Richard Trout

Addresses the Manual in a summary fashion that highlights the manual's elements directed and focused to design engineers, system engineer, project leaders, and management. These elements include manual organization, National CAD Standards, Uniform Drafting Standards, conduct of engineering, necessity for standards, configuration management, vital safety system documentation, priority drawing requirements, and document submittal requirements. To register call 7-0059 or enroll online Tues or Wed via

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=38726

LANL Electrical Engineering Standards Course 17998 will be taught from 8am-4pm in White Rock on Thurs, June 1. There is no cost.

Covers the electrical engineering standards in Chapter 7 of the LANL Engineering Standards Manual and discusses mandatory requirements and good practices for those involved in electrical design. Strongly suggested for electrical designers, electrical engineers, electrical safety officers, and facility managers.

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=17998

Reserve through PS-13 using links above or call 7-0059 or e-mail esh-registration@lanl.gov.

WHOLE BUILDING DESIGN GUIDE AVAILABLE ONLINE

The Whole Building Design Guide is a non-commercial website that's an excellent gateway to up-to-date info on integrated "whole building" design techniques and technologies. It also has design guidance based on building and space types, discipline, and objectives; project management-related guidance, and references and tools such as the military's Unified Facilities Guide Specs. It's a growing encyclopedia of knowledge on design and construction. Access is no longer restricted in any way, so click over and check it out! <http://www.wbdg.org>

BUILDING, MECHANICAL, AND PLUMBING CODE CLASSES

The Standards Program may sponsor PS-13 classes on the IBC, UMC, and UPC, all of which are used at LANL, in coming weeks. To join the waitlist for any of these, follow the links below.

IBC http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=14742

UMC http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=14745

UPC http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=14746

LANL STANDARDS ISSUED IN APRIL

LANL Engineering Standards Manual ISD 342-1

Chapter 13 -- Welding & Joining -- Volume 3 -- Welding Procedure Specs

10000-PVC-CPVC Rev. 0

LANL Master Specifications Manual ISD 342-2

07 7233 R1 Roof Hatches – Updating of Referenced codes and standards

07 7600 R1 Roof Pavers – changed warranty to manufacture's standard, and correction of typos

08 7100 R1 Door Hardware- Revised Sections: 1.5.A.4, 2.5.B.6, 2.6.C,D, & J

22 4200 R1 Plumbing Fixtures. Shower Manufacturer change due to basin design

27 1000 R1 Structured Cabling- Changed Category 5e to 6A, Section 1.7.C.1, 2.1, 2.2, 2.9, 2.12

27 3000 R1 Voice Communications – Revised Sections 2.2, 2.3, 2.5A, 3.3, 3.7B

28 1321 R1 Administrative Access Control System Rough-In - Revised Sections 2.4B, 3.4D

LANL Drafting Standards Manual ISD 342-4

Appendix F-2 Rev. 4- Electrical Symbols Chart

E110 –Modified

E143 - New

DOE STANDARD ACTIONS

Recent [Revisions](#)

DOE-STD-1063-2006 Facility Representatives

<http://www.eh.doe.gov/techstds/standard/std1063/doe-std-1063-2006.pdf>

DOE-STD-3009-94 Chg Notice 3 Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Documented Safety Analyses

http://www.eh.doe.gov/techstds/standard/std3009/DOE-std-3009-94_cn3_3-30-06.pdf

To request a change to this newsletter's distribution contact Tobin Oruch, oruch@lanl.gov.

Previous issues of this Update are available; click "Monthly Update" below the Google search on the Standards homepage <http://engstandards.lanl.gov/>

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